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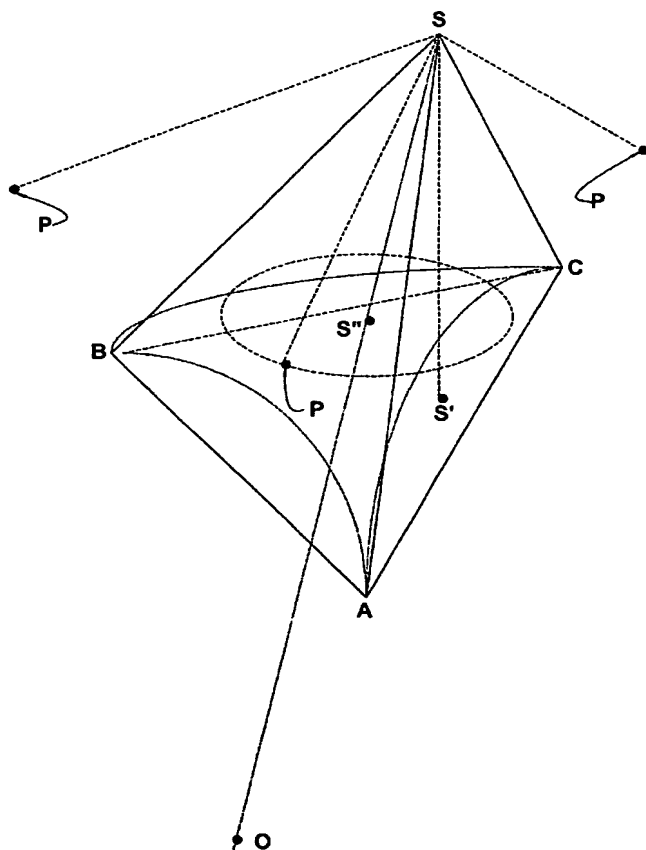
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(54) Title: GEOGRAPHIC AND SPACE POSITIONING SYSTEM AND PROCESS



(57) Abstract: Geographical and space positioning system and process, comprising: a first, a second, and a third base (A, B, C) which are fixed in relation to the earth, but spaced away and disaligned in relation to each other; a space platform (S) which is visible from the fixed bases (A, B, C); at least one target (P) situated on or above the surface of the earth; a transmitter (1) operatively associated with each of the parts defined by the fixed bases (A, B, C) and the space platform (S) in order to emit pulses in a determined frequency, each pulse in a predetermined reference instant; a receiver (2) operatively associated with: each fixed base (A, B, C), each target (P) and with the transmitter (1) in order to receive said pulses in a trajectory covering the distance between the space platform (S) and the fixed base (A, B, C) associated with the receiver (2) a control unit (3) which is operatively connected to both the transmitter (1) and the receiver (2) in order to calculate, for each pulse emission instant, the lateral edges of the tetrahedron, whose vertices are defined by the three fixed bases (A, B, C) and by the space platform (S), based upon the determination of the propagation time of each pulse in said trajectory, between the space platform (S) and each fixed base (A, B, C), in order to allow determining a respective extension of the trajectory of the space platform (S), while the latter is visible by the fixed bases (A, B, C) and determining, at the same time, its equation of motion, allowing calculating the possible positions of the target (P) in the control unit (3) and in the target (P) itself.

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